



| △ 1.1" F1.4/8 C Mount     |   |                 |                 | Working distance | Optical Magnification | 1" Field of View(mm) |       |
|---------------------------|---|-----------------|-----------------|------------------|-----------------------|----------------------|-------|
| Focal Length              |   | f=8mm           |                 | mm               |                       | H                    | V     |
| Max Diameter (Ratio)      |   | F=1:1.4~16      |                 |                  |                       |                      |       |
| Picture Size              |   | △ 1.1"          | 1" 2/3"         | 800              | -0.010                | 1289.2               | 966.9 |
| Angle                     | H | 84.8°           | 77.1° 57.6°     | 700              | 0.011                 | 1133.3               | 850   |
|                           | V | 68°             | 61.8° 44.9°     |                  |                       |                      |       |
|                           | D | 98.4°           | 89.5° 69.0°     |                  |                       |                      |       |
| Object Dimension at M.O.D | H | 219.1mm         | 199.2mm 136.9mm | 600              | 0.013                 | 977.5                | 733.1 |
|                           | V | 164.3mm         | 149.4mm 102.7mm |                  |                       |                      |       |
|                           | D | 273.9mm         | 249mm 171.2mm   |                  |                       |                      |       |
| Distortion (TV)           |   | <5.5%           | <5% <3%         | 500              | 0.016                 | 821.6                | 616.2 |
| Focus distance(min)       |   | 0.1M            |                 | 400              | 0.019                 | 665.8                | 499.3 |
| Flange back               |   | 17.526mm in air |                 |                  |                       |                      |       |
| Back focus                |   | 10.35           |                 | 300              | 0.025                 | 509.9                | 382.5 |
| Front/Rear Effective Dia  |   | φ40.25/φ17.32   |                 |                  |                       |                      |       |
| Mount                     |   | C-Mount         |                 | 200              | 0.036                 | 354.3                | 265.7 |
| Temperature Range         |   | -10~+50°C       |                 |                  |                       |                      |       |
| Storage Temperature Range |   | -20~+60°C       |                 | 100              | 0.064                 | 199.2                | 149.4 |

|    |    |       |     |  |    |     |  |        |              |    |     |
|----|----|-------|-----|--|----|-----|--|--------|--------------|----|-----|
|    |    |       |     | TOLERANCE :<br>LINEARITY TOLERANCES ±0.05<br>ANGULAR TOLERANCES ARE ±30'<br>DRAFT ANGLES AREA ±0.5°/SIDE |    | 三角法 |  | 材料(环保) |              | 单位 | 比例  |
|    |    |       |     |  |    | --- |  | ---    |              | mm | 1:1 |
| △  | 1  | ---   | CHP | 2017.08.08   | 设计 |     |  | 名称     | FA0815A 镜头规格 |    | 页码  |
| △  | 2  | ---   | CHP | 2017.08.08   | 校对 |     |  |        |              |    | 1/1 |
| △  | 1  | ---   | CHP | 2016.03.29   | 审核 |     |  | 代号     | FA0815A-SPEC |    | 版本  |
| 标记 | 处数 | 更改文件号 | 担当  | 变更日期   | 批准 |     |  |        |              |    | V3  |